

UROSKOP ACCESS

SP

System

Disposal Instructions

Pollution Control Measures

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English

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Chapter	Page	Revision
all	all	02

Document revision level

This document corresponds to the version/revision level effective at the time of system delivery.

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Document revision level	0 - 2
Disclaimer	0 - 2

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3 **Changes to previous version** **3 - 1**

Under the German Waste Avoidance, Recycling and Disposal Act product responsibility rests with the manufacturer and distributor. In order to fulfil product responsibility, environmentally compatible recycling and disposal of waste must be assured.

These instructions provide waste disposal specialists with information on the type, quantity and location of pollutants in the system to be disposed of. When scrapping the unit or replacing parts, the instructions regarding waste disposal given in the following chapters must be followed.

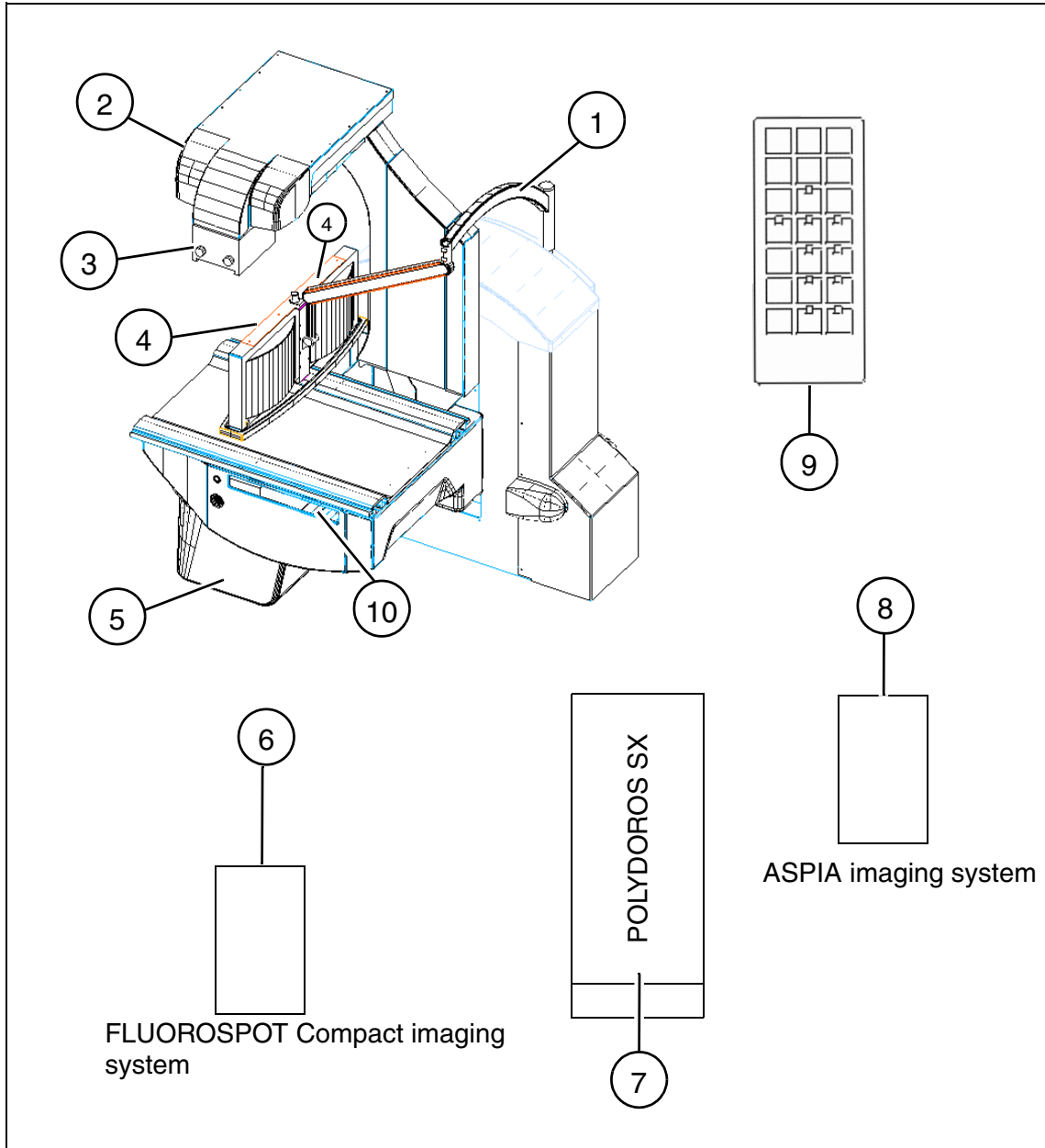
NOTICE

All drawings and pictures in this document relate to the left-hand version of the system.

NOTE

This document relates to UROSKOP Access both with ASPIA imaging system and FLUOROSPOT Compact imaging system.

System overview



List of pollutants

Depending on the system version supplied, the following components of the UROSKOP Access require special disposal:

No.	Component	Pollutant	Quantity
1/Fig. 1	TFT support arm	n.a.	n.a.
2/Fig. 1	X-ray tube assembly	metallic lead transformer oil stator unit: copper, iron	2.0 kg 4.5 l 4.5 kg
3/Fig. 1	Multileaf collimator	lead compounds	2.7 kg
4/Fig. 1	TFT monitors	n.a.	n.a.
5/Fig. 1	Image intensifier	Cr2O3 CS/NF/93/290 CsJ/NaJ Sb phosphor NP 1043 lead	n.a. n.a. n.a. n.a. n.a. n.a.
6/Fig. 1	FLUOROSPOT Compact imaging system	lithium battery	1 pc.
7/Fig. 1	POLYDOROS SX generator	lithium battery transformer oil copper-beryllium shield	2 pcs. 25 l 1 pc.
8/Fig. 1	ASPIA imaging system	lithium battery	1 pc.
9/Fig. 1	Tablesides control unit	n.a.	n.a.
10/Fig. 1	Basic unit	cassette shielding metallic lead	2.8 kg

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Information on waste disposal

Pollutants

- In the following chapter pollutants are italicized. They must be disposed of by a waste disposal specialist in accordance with industrial standards.

PC boards, cable harnesses, monitors

- PC boards, cable harnesses and monitors are waste types requiring monitoring. They must be disposed of in accordance with industrial standards.

CAUTION

Danger of implosion of the X-ray tube/image intensifier!

⇒ **Avoid mechanical damage to the X-ray tube/image intensifier.**

Required documents

Safety and Radiation Protection Guidelines	ARTD part 2/ ARTD-002.731.37
Installation Instructions; System	SPL5-330.812.01
Medical products; Safety information; System; General Safety Notes	TD00-000.860.01

Safety information

- To disassemble the basic unit, use the aids listed in the document "Installation Instructions; System" such as the transport frame and castors.

Safety information - general

WARNING

Risk of injury, death or damage to property!

If not observed, death, serious physical injury or damage to property can occur.

Observe

- the general safety information of document TD00-000.860.01) and
- the safety information according to ARTD 2.

Safety information - electrical

⚠ WARNING**Electrical safety!**

If not observed, death, serious physical injury or damage to property can occur.

After disassembling of covers live components are accessible. To prevent danger the system has to be disconnected from the mains prior to disassembly of covers.

Safety information - mechanical

⚠ WARNING**Risk of injury through mechanical parts!**

If not observed, slightly or physical injury, especially on the hands, can occur.

After disassembling of covers components like blade terminals, threaded bolts, cut through cable ties, edges of components are accessible. Carelessness can cause bruises, abrasion and cutting of the skin, especially on the hands.

Work with special attentiveness and carefulness.

Wear protective gloves if suitable.

Safety information - risk of infection

⚠ WARNING**Risk of infection through pathogens!**

If not observed, death or serious physical injury can occur.

The system can be contaminated with infected blood or other body fluids.

Work strictly according to the safety guideline ARTD-002.731.37.

Preparation

- Switch system "on".
- Move the unit into the 0° position.
- If necessary, lift up the lifting base to the highest position.
- Move the column into the 0° position.
- Move the tube support arm all the way to the foot end.
- Move the tabletop flush.
- Switch the system "off".

POLYDOROS SX

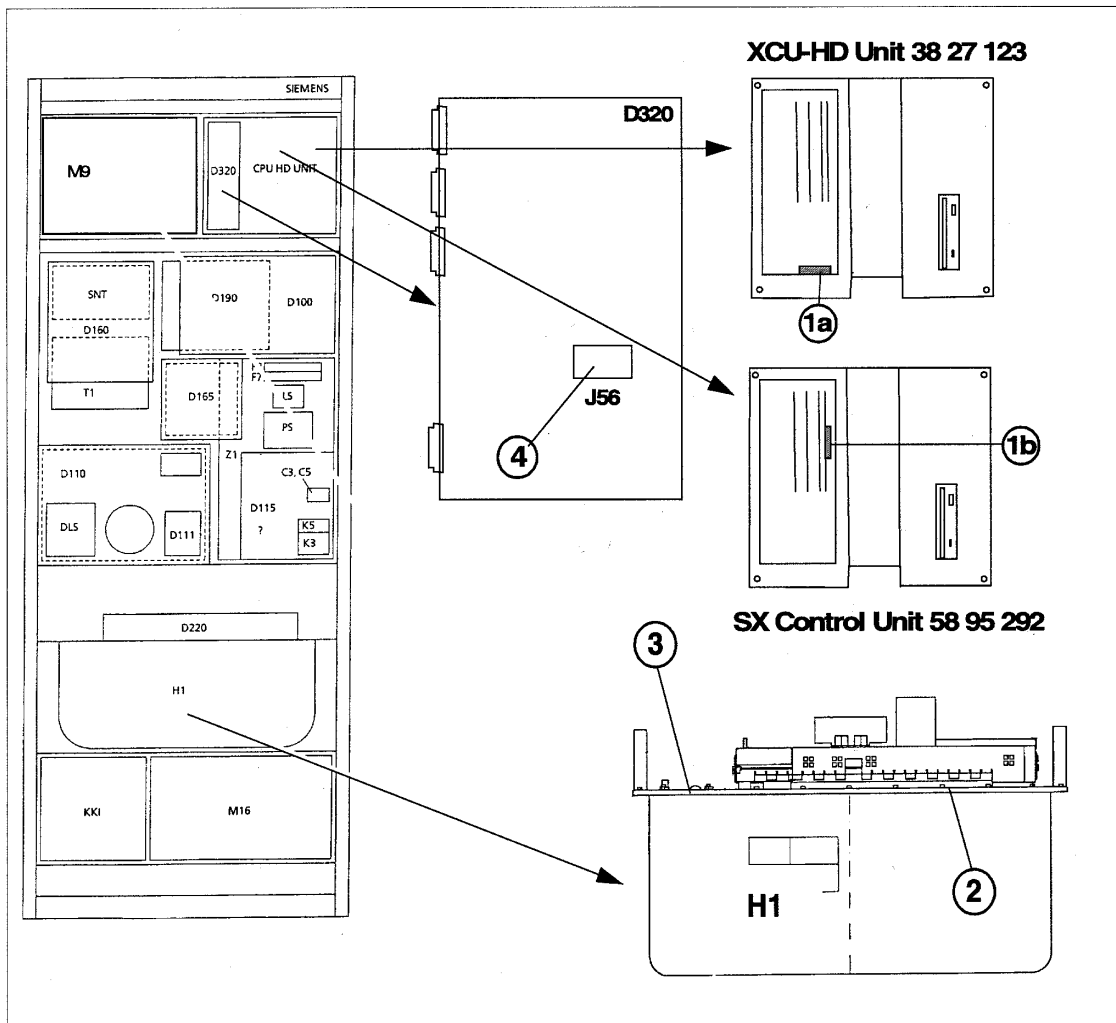


Fig. 1

POLYDOROS SX

With XCU-HD unit 38 27 123

- Remove the **lithium battery** from the CPU-HD unit (1a/Fig. 1).

With SX console unit 58 95 292

- Remove the **lithium battery** from the slot CPU (1b/Fig. 1).

D320 CPU-HD unit

- Remove the S-RAM J56 with the **lithium battery** from PC board D320 (4/Fig. 1).

High-voltage generator H1

- Remove the high-voltage generator H1 from the generator cabinet.
- Unscrew the cap screws from the high-voltage generator (2/Fig. 1).
- Lift the cover (3/Fig. 1) with the attachments off the trough of the high-voltage generator and pour the **oil** (approx. 25 l) into a suitable container.

ASPIA imaging system

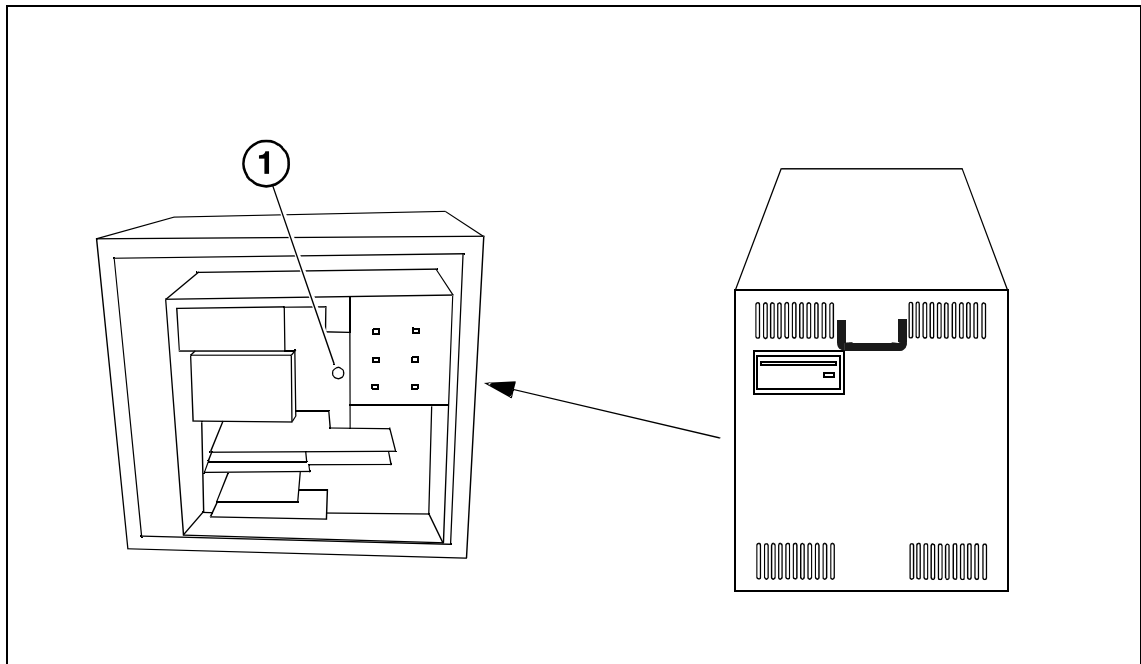


Fig. 2

- Remove the cover of the PCs on the left side of the ASPIA container (Fig. 2).
- Dispose of the coin cell on the motherboard (1/Fig. 2); **lithium battery**.

FLUOROSPOT Compact imaging system

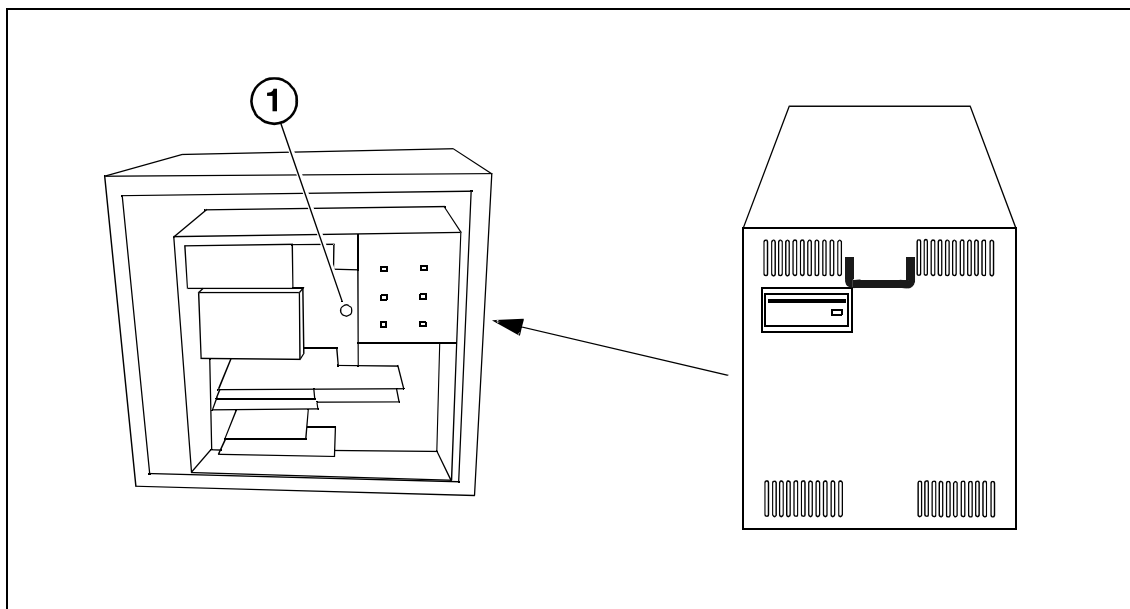


Fig. 3

- Remove the cover panel on the left side of the FLUOROSPOT Compact container (Fig. 3).
- Dispose of the coin cell on the mother board (1/Fig. 3); ***lithium battery***.

UROSOP Access basic system

1/Fig. 4	Multileaf collimator, basic unit	<i>lead</i>
2/Fig. 4	X-ray tube assembly, basic unit	<i>lead, oil, copper, iron</i>
3/Fig. 4	TFT support arm	<i>n.a.</i>
4/Fig. 4	Image intensifier	<i>metallic lead, Cr₂O₃, CS/NF/93/290, CsJ/NaJ, Sb, phosphor NP 1043</i>
5/Fig. 4	Camera attachment	<i>lead compound</i>

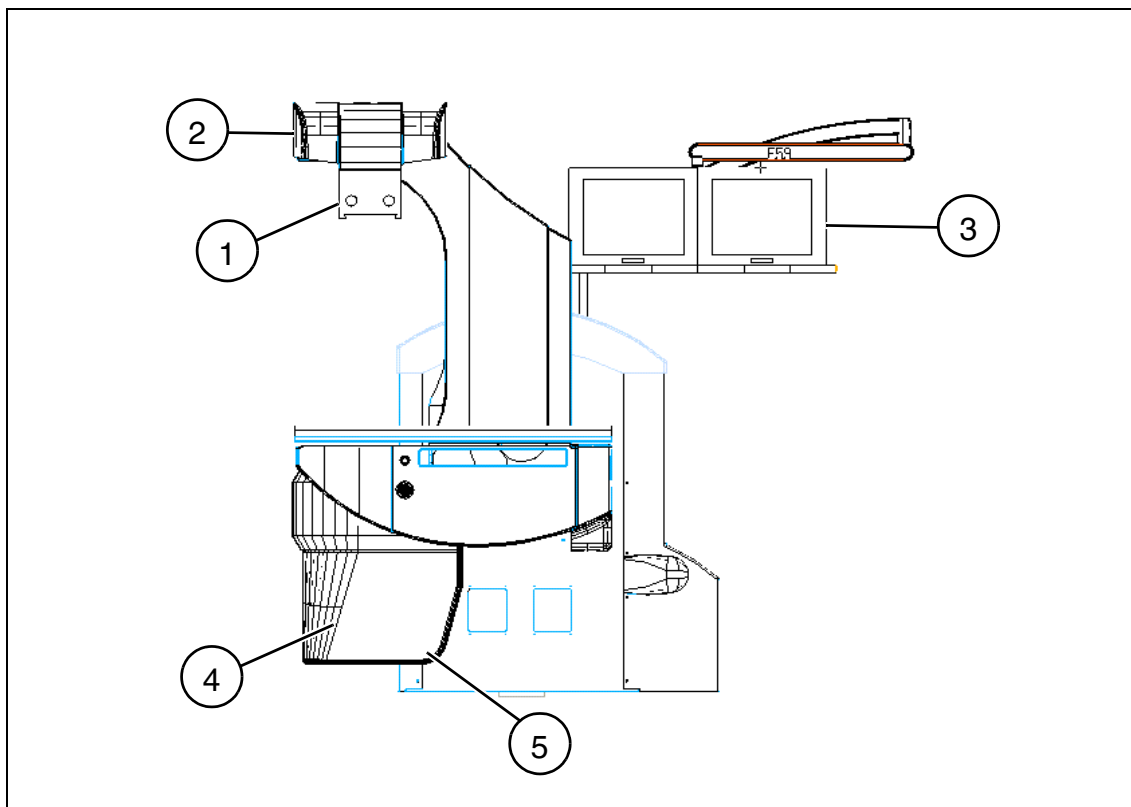


Fig. 4

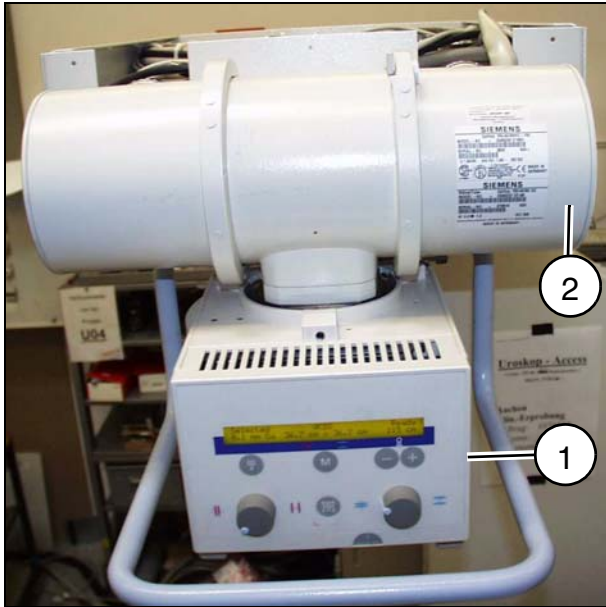


Fig. 5

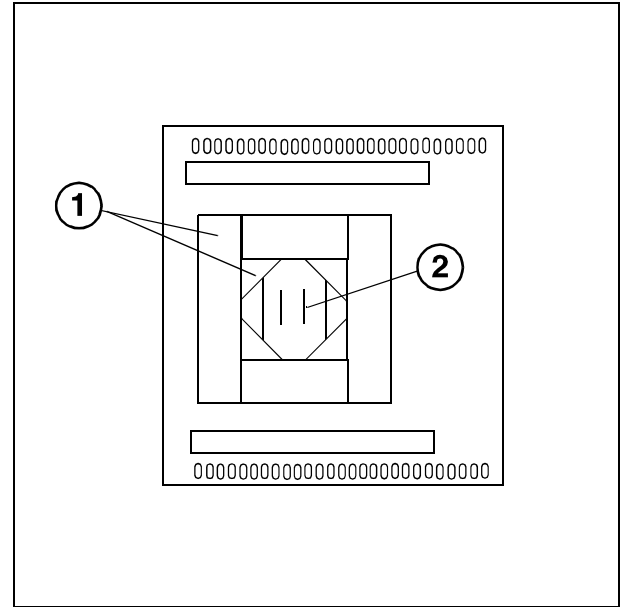


Fig. 6

Multileaf collimator

- Dismount the collimator (1/Fig. 5).
- Detach the cover; **lead**.
- Remove the lead leaves (1/Fig. 6).
- Remove the leaves close to the focus at the bottom of the collimator (2/Fig. 6); **lead**.

Basic unit X-ray tube assembly

- Detach the X-ray tube assembly (2/Fig. 5); **lead, copper, iron**.

CAUTION

Danger of implosion of the X-ray tube!

⇒ **Avoid mechanical damage to the X-ray tube assembly.**

The tube assembly must be returned to the following address for disposal:

SIEMENS AG
Medical Solutions
Rückwarenabteilung Strahler
Henkestrasse 127
D-91052 Erlangen

Image intensifier tube

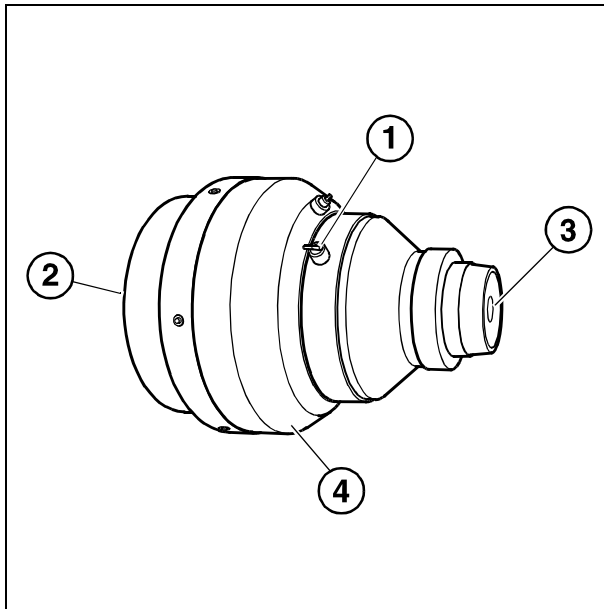


Fig. 7

- Detach the camera attachment (5/Fig. 4); **lead**.
- Remove the I.I. tube from the I.I. housing.

**CAUTION****Danger of implosion!**

⇒ **Avoid mechanical damage to the I.I. tube.**

- Completely dispose of the **lead** clad housing of the image intensifier.
- Vent the I.I. tube by pinching it open at the pump port (1/Fig. 7).

• Substances at the input screen (2/Fig. 7)	CS/NF/93/290 CSJ/NaJ Sb Cr₂O₃
• Substances at the output screen (3/Fig. 7)	phosphorus NP 1043 lead-containing solders silicone sealing compound
• Substances at the ceramics part (4/Fig. 7)	Cr₂O₃

Chapter 1	First note new; in subchapter "List of pollutants" FLUOROSPOT Compact added
Chapter 2	Subchapter "Safety Information" revised; new subchapter "FLUOROSPOT Compact Imaging system"
Tab. 1	

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